

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
**DISTRICT I**  
P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-105  
Revised 1-1-89

WELL API NO. 30-045-28596
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>					
1a. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>					
b. Type of Completion: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESV. <input type="checkbox"/> OTHER <input type="checkbox"/>					
2. Name of Operator BHP Petroleum (Americas), Inc.					
3. Address of Operator 5847 San Felipe, Suite 3600, Houston, TX 77057					
4. Well Location Unit Letter <u>E</u> : <u>1875</u> Feet From The <u>North</u> Line and <u>885</u> Feet From The <u>West</u> Line Section <u>35</u> Township <u>29N</u> Range <u>12W</u> NMPM San Juan County					
10. Date Spudded 11-8-91	11. Date T.D. Reached 11-11-91	12. Date Compl. (Ready to Prod.) 12-14-91	13. Elevations (DF & RKB, RT, GR, etc.) 5346' GR	14. Elev. Casinghead 5346'	
15. Total Depth 1515' KB	16. Plug Back T.D. 1462' KB	17. If Multiple Compl. How Many Zones? N/A	18. Intervals Drilled By Rotary Tools 0-TD	Cable Tools -0-	
19. Producing Interval(s), of this completion - Top, Bottom, Name Pictured Cliffs 1325' - 1342'					20. Was Directional Survey Made Yes
21. Type Electric and Other Logs Run DIGL/DSN/GR/SDL/Coal log					22. Was Well Cored No
23. <b>CASING RECORD (Report all strings set in well)</b>					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	20#	140' KB	8-3/4"	125 sxs "B" + Addit.	-0-
4-1/2"	10.5#	1509' KB	6-1/4"	240 sxs 50/50 POZ	-0-
				25 sxs "B" + Addit.	
24. <b>LINER RECORD</b>					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
26. Perforation record (interval, size, and number) 1325' - 1342' @ 4 JSPF (68 holes @ .39" in diameter)				27. <b>ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.</b>	
				DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
				1325' - 1342'	Frac dn csg w/ 595 bbls 35# gel, 70 Q foam and 80,300# 12/20 Brady Sand.
28. <b>PRODUCTION</b>					
Date First Production WOPL		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) SI
Date of Test 12-17-91	Hours Tested 24	Choke Size 20/64"	Prod'n For Test Period N/A	Oil - Bbl. N/A	Gas - MCF 300
Flow Tubing Press. 154	Casing Pressure 260	Calculated 24-Hour Rate N/A	Oil - Bbl. N/A	Gas - MCF 300	Water - Bbl. 73 (load)
					Gas - Oil Ratio N/A
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented					Test Witnessed By Fred Lowery
30. List Attachments					
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief					
Signature <u>Beverly Comer</u>		Printed Name <u>Beverly Comer</u>		Title <u>Production Tech</u> Date <u>2/14/92</u>	

TOPS

Ojo Alamo	48
Kirtland	223
Fruitland	1014
Pictured Cliffs	1325

Top of Fruitland Coal	1165.50
Base of "	" 1322.75

\*\*\*\*FIRST REPORT\*\*\*\*

BHP G.C.U. #523 (D) (BHP AFE #9101217) NW Sec 35 T29N R12W West Kutz Pictured Cliffs San Juan, New Mexico Proj TD 1500' BHP WI 62.5%\* NRI 48.75%(\*Interest subject to partner elections) DHC: \$43,200 TAC: \$143,500 Spud Date 11/08/91

11/09/91- MIRU Fruitland Rig No. 2, spud well at 5:00 pm on 11/8/91. Drill 8-3/4" hole to 146' KB. Boulders from surf to 90' with water flow at 120'. Bit No 1. 8-3/4" Reed RR in at 10' out @ 38'. Bit No. 2 8-3/4" Reed RR in at 38', out @ 146'. DC: \$11,550 TAC: \$11,550

11/10/91- Depth 500' (354') Drop survey and TOOH. RU and ran 3 jts 7" 20# J-55 R-3 8R csg. Land csg at 140' KB. RU Western and cmtd w/125 sxs Class "B" w/3% CaCl and 1/4# per sx cello seal. Obtained full returns w/3 bbl good cmt circ to surf. Plug dn at 9:00 am on 11/9/91. WOC NU and test BOPE. Drl 6-1/4" hole to 500'. Bit No. 3 6-1/4" Varel V517 Ser No. 56549 Jets 3/13 in at 146'. Drl 7 hrs, cond & circ 1/4 hr, trip 1/2 hr, dev sur 1/4 hr, run csg & cmt 1 hr, WOC 8 hrs, NU BOP & test 5 hrs, drl cmt 2 hrs. DC: \$7,200 TAC: \$18,750. Dev 1-1/2° @ 146'. 18-4-3/4" DCs.

11/11/91- Depth 1515' (1015') Drlg from 500' to 1515'. Run survey @ 800' dev 1-1/4° @ 800'. WOB 18 RPM 65 psi 800 SPM 65 . TD @ 1515' at 12:00 am 11/11/91. Replace swivel. Mix mud 50 vis, 11.8#. Short trip. Drlg 16-1/4 hrs cond & circ 4-3/4 hrs, trip 1 hr, rep rig 1-3/4 hrs, dev survey 1/4 hr. DC: \$10,500 TAC: \$29,250 13-4/34" DCs.

11/12/91- Depth 1515' (0') Drop survey & TOH. RU HLS and ran Dig1 DSN GR SDL coal log. Log TD 1514' KB. TIH circ and cond. POH LD DP. RU and ran 36 jts 10.5# J-55 8R R-3 ST&C csg. Landed at 1509' KB. RU Western and cmtd w/240 sxs 50/50 poz 2% CaCl 10% slt, 1/4# sk cello sela and 25 sk Class "B" w/1.2% CF-18. Obtained full returns w/7 bbl good cmt to surf. Bumped plug w/1500# & float held. Plug dn at 8:00 pm on 11/11/91. ND and jet pits. RR at 12:00 midnight on 11/11/91. MW 11.8 Vis 50 PV/YP 18/14 gels 8/24 WL 8.2 pH 9.5 FC/32 2 solids 6 % sand 1/2. 13-4-3/4" DCs. DC: \$29,070 TAC: \$58,320

12/10/91- Depth 1514' PBTD: 1473; MIRU JC Well Service. PU bit and csg scraper on 2-3/8" tbg and tally in hole. Tag cmt at 1400'. SDFN. Day 1. DC: \$1,900 TACC: \$1,900 TAC: \$60,220

12/11/91- Depth 1514' PBTD: 1462; RU power swivel and drill soft cement from 1400' to 1462'. Circulate hole clean w/2% KCL water. Test Csg. and BOPE to 2500 PSI. OK. RU elect. line and ran a GR/CCL correlation log. POH GIH w/a 3 1/8" Csg. Gun loaded 4 JSPF. 90 Deg. phased. Premium charged and perforate the pictured cliffs from 1325' to 1342'. No change at surface. POH all shots fired. MI and set frac tank. Fill. filter and heat tank. Day 2. DC: \$6,300 TACC: \$8,200 TAC: \$66,520

12/12/91- Depth 1514' PBTD: 1462; 0 pressure on well, RU BJ to fracture stimulate the pictured cliffs down 4 1/2" csg, w/a 35# linear gel system, 25,000 gal 70 quality foam and 80,300# 12/20 Brady Sand, max. sand conc. was 5 PPG, did not have enough sand to go to 6 PPG, BJ sand screw problem, max. pressure 2500 psi, bleed back to induce closure, load to recover is 227 BBL, 4 hour SICP 700 psi, open well to frac tank on a 3/8" pos. choke. Day 3 DC: \$21,900 TACC: \$30,100 TAC: \$88,420

12/13/91- Depth 1514' PBSD: 1462; 18 hours flowing through a 3/8" pos choke, recovered 60 BBL, load w/a gas rate of 600 MCF/D, FCP 230 psi. Day 3 DC: \$1,200 TACC: \$31,300 TAC: \$89,620

12/14/91- Depth 1514' PBSD: 1462; Kill well w/ 50 bbl 20% KCL wtr. TIH w/tbg and expendable check to PBSD at 1462'. No sand, pull up and land tbg w/44 jts 2-3/8" 4.7# J-55 8R EUE at 1372' KB. ND BOPE and NU well head. Drop ball and pump off check. Unload well w/N/2. RU test unit with a 3" meter run. Put well on test 14 hrs flowing well thru test unit rec 88 bbl load wtr w/ a gas rate of 400 MCF/D. FTP 210 psi, csg 300 psi. TBLR 148 BLTR 79 Day 6 DC: \$9,500 TACC: \$40,800 TAC: \$99,120

12/15/91- TD: 1514' PBSD: 1462' 24 hrs flowing well thru a test separator w/ a 3" meter run. Rec 89 bbl ld wtr w/ a gas rate of 300 MCF/D on a 16/64" choke. FTP 195 psi csg press 295 psi. TBLR 237 BLTR +10 Day 7 DC: \$1,000 TACC: \$41,800 TAC: \$100,120

12/16/91- TD: 1514' PBSD: 1462' 24 hrs flowing well thru a test separator w/a 3" meter run. Rec 82 bbl ld wtr w/a gas rate of 350 MCF/D on a 20/64" choke. FTP 165 psi csg press 280 psi. TBLR 319 BLTR +92 Day 8 DC: \$1,000 TACC: \$42,800 TAC: \$101,120

12/17/91- TD: 1514' PBSD: 1462' 24 hrs flowing well thru a test separator w/a 3" meter run. Rec 73 bbl ld wtr w/a gas rate of 300 MCF/D on a 20/64" choke. FTP 154 psi csg press 260 psi. TBLR 392 BLTR +165 Day 9 DC: \$1,000 TACC: \$43,800 TAC: \$102,120

12/18/91- TD: 1514' PBSD: 1462' 24 hours SITP, 326 psi, SICP 385 psi TBLR 392 BLTR +165 Day 10 DC: \$0 TACC: \$43,800 TAC: \$102,120

12/19/91- TD: 1514' PBSD: 1462' 48 hours SITP, 339 psi, SICP 390 psi TBLR 392 BLTR +165 Day 11 DC: \$0 TACC: \$43,800 TAC: \$102,120

12/20/91- TD: 1514' PBSD: 1462' 72 hours SITP 368 psi., SICP 430 psi. TBLR 392 BLTR +165 Day 12 DC: \$0 TACC: \$43,800 TAC: \$102,120

12/21/91- TD: 1514' PBSD: 1462' 96 hours SITP 380 psi., SICP 439 psi. TBLR 392 BLTR +165 Day 13 DC: \$0 TACC: \$43,800 TAC: \$102,120

12/22/91- TD: 1514' PBSD: 1462' 120 hours SITP 385 psi., SICP 445 psi. TBLR 392 BLTR +165 Day 14 DC: \$0 TACC: \$43,800 TAC: \$102,120

12/23/91- TD: 1514' PBSD: 1462' 144 hours SITP 390 psi., SICP 450 psi. TBLR 392 BLTR +165 Day 15 DC: \$0 TACC: \$43,800 TAC: \$102,120

12/24/91- TD: 1514' PBSD: 1462' 168 hour SITP 390 psi., SICP 450 psi. TBLR 392 BLTR +165 Day 16 DC: \$10,000 TACC: \$53,800 TAC: \$112,120 DROP FROM REPORT, WAITING ON PIPELINE